FREE TO CHOOSE INNOVATIONS

XORO®

HRK 7560

User Manual

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English

SAFETY INFORMATION

The lightning flash with an arrowhead symbol within an equilateral triangle is intended to alert the user of the presence of un-insulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

The exclamation point within an equilateral triangle is intended to alert the user of the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

User Manual

1. All the safety and operating instructions should be read before the product is operated.
2. Retain Instructions - The safety and operating instructions should be retained for future reference.
3. All warnings on the product and in the operating instructions should be adhered to.
4. All operating and use instructions should be followed.

Power Supply

1. Never touch the plug with wet hands.
2. If you want to pull the plug out of the plug socket, always pull directly on the plug. Never pull on the cable as it could tear.
3. Make sure that the power cable is not bent, caught or run over and that it does not come into contact with heat sources.
4. Make sure that the power cable is not wound around the device while in operation.
5. Never place the machine on the power cable while it is being operated.
6. Only use extension cables that are designed for the power consumption level of the machine.
7. Keep the appliance away from rain and any moisture.
8. Only operate the machine if the electrical voltage stated on the type plate beneath the machine agrees with the voltage on your plug socket. The wrong voltage can destroy the machine.
9. Do not stand vases etc. on the appliance. Water could seep into the appliance.
10. Do not open the appliance.
11. Pull out the mains plug if the appliance is not to be used over a longer period of time.
12. Take care that nobody can trip over the power supply cable.

Use for...

1. Reception of digital channels via antenna (DVB-C).
2. Recording of DVB-C broadcast on USB storages.
3. Playback of recorded content from USB storage.
4. Playback of supported movie, picture and audio files from USB storage.

Operation and Position

1. Do not connect accessories on the player which are not defined by the manufacture.
2. Do not place this product on an unstable cart, stand, tripod, bracket, or table. The product may fall, causing serious injury to a child or adult, and serious damage to the product. Use only with a cart, stand, tripod, bracket, or table recommended by the manufacturer, or sold with the product. Any mounting of the product should follow the manufacturer's instructions, and should use a mounting accessory recommended by the manufacturer.
3. A product and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the product and cart combination to overturn.
4. The device is able to show a still image on the TV screen or monitor over an unlimited period of time. This can cause damage to the screen. It is therefore advisable to activate the screen saver. Or switch the player off, if the device is not in use.
5. Do not use the device permanent in the 4:3 mode. This can cause damage to the TV screen.
6. Do not increase the volume when the player is just playing very quiet sections. This cold damage the speaker if very loud passages starts all of a sudden after the quiet section.
7. Switch the player off by the Off/On switch if it is not going to used for a longer period of time.
8. Disconnect the main plug during thunderstorms.
9. Slots and openings in the cabinet are provided for ventilation and to ensure reliable operation of the product and to protect it from overheating, and these openings must not be blocked or covered.
10. The openings should never be blocked by placing the product on a bed, sofa, rug, or other similar surface.
11. This product should not be placed in a built-in installation such as a bookcase or rack unless proper ventilation is provided or the manufacturer's instructions have been adhered to.
12. Protect the device against weather influences, moistures and high temperature.
13. Never spill liquid of any kind on the product.
14. Do not expose the device and the remote control to direct sunlight.

USB Port

Due to the legal requirements of CE-conformity, the customer is asked to only connect USB-Sticks to the USB port.

SAFETY INFORMATION

Antenna

The device can be connected to an antenna.

1. Unplug the power cord cable from the mains outlet before connecting or disconnecting the DVB-C to/from the antenna, otherwise both might be damaged.
2. If an outside antenna or cable system is connected to the product, be sure the antenna or cable system is grounded so as to provide some protection against voltage surges and built -up static charges.

Defect

1. Servicing - Do not attempt to service this product yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.
2. Damage Requiring Service - Unplug this product from the wall outlet and refer servicing to qualified service personnel under the following conditions:
   a. When the power-supply cord or plug is damaged.
   b. If liquid has been spilled, or objects have fallen into the product.
   c. If the product has been exposed to rain or water.
   d. If the product does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions as an improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the product to its normal operation.
   e. If the product has been dropped or damaged in any way, and
3. When the product exhibits a distinct change in performance this indicates a need for service.
4. When replacement parts are required, be sure the service technician has used replacement parts specified by the manufacturer or have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock, or other hazards.
5. Nicotine can damage the electronic components. In case of service regarding too much nicotine, than the warranty/guarantee expired.
6. Please read in the section Troubleshooting our service address and phone number.

Dolby

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Recycling Informationen

Recycling of electronic devices

This product is designed and manufactured with high quality materials and components which can be recycled and reused.
This symbol means that electrical and electronic equipment, at their end-of-life, should be disposed of separately from your household waste.
Please, dispose of this equipment at your local community waste collection/recycling centre. In the European Union there are separate collection systems for used electrical and electronic product. Please, help us to conserve the environment we live in!

English

Recycling of paper and carton

The material recycling symbol on the carton and user manual denotes that they are recyclable. Dispose them not with the normal household waste.

Recycling of plastic parts

The material recycling symbol on the plastic parts denotes that they are recyclable. Dispose them not with the normal household waste.

Green Dot

The “Grüne Punkt” denotes that the MAS Elektronik AG pays a duty to the “Gesellschaft für Abfallvermeidung und Sekundärrohstoffgewinnung“.

Notes

Accessoires

When opening the package of this DVB-C Receiver, please make sure that the following accessories are included:

- HRK 7560
- Remote Control
- Batteries for the Remote Control
- User Manual

Notes:

- If any item should be damaged or missing, please contact your dealer without delay.
- Keep the packaging materials, you may need them to transport your player in the future.
- Always transport or send the player in its original packing.
- Do not change or modify any components of the device or accessories.

Features

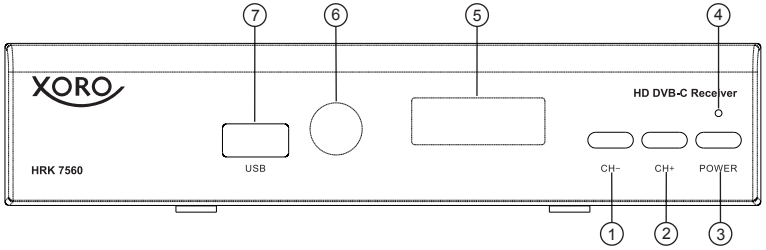
- High Definition DVB-C Receiver
- HDMI port
- Electronic programm guide (EPG) and teletext
- USB 2.0 High Speed connection
- Playback of video files (MPEG-4 ASP, MPEG-4 AVC(H.264), MPEG-2 via USB
- Supporting multiple video-containers (AVI, MKV, MP4, TS, MPG)
- Supporting multiple audio-containers (MP3, AAC)
- Displaying ID-tag information
- Supporting image-containers (JPEG, Bitmap [BMP], PNG)
- RGB video out (SCART)

Default settings

OSD language	English
aspect ratio	AUTO
Video out	HDMI 720p

CONTROL ELEMENTS

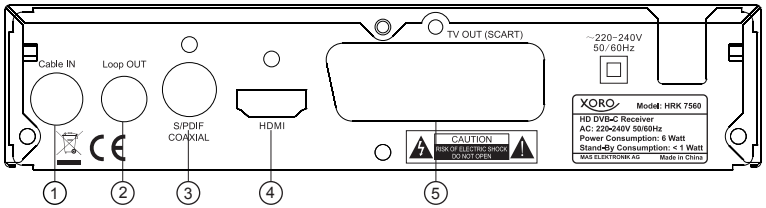
Front Panel



1. Change Channel (CH-)
2. Change Channel (CH+)
3. Power Button
4. Power Indication Light (Red: Stand-by, Green: Switched on)
5. LED Display
6. IR Receiver
7. USB Port

Note:
The unit is automatically ready to work as soon as the power supply is applied.
Description of the elements:

Rear Panel

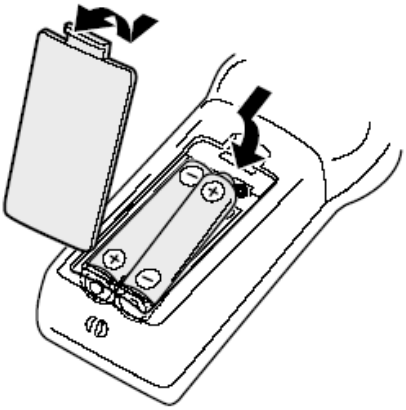


1. Aerial Input
2. Loop Out Aerial output
3. Digital Audio output
4. HDMI Output
5. SCART

Remote Control

Insert batteries and operationradius

- Insert the battery into the receptacle of the remote.
- For the best results, aim the remote towards at the player. Stay within 5 meter and angles of 60 degrees or less.
- Remove battery during storage or when you are not using the device for a long time.



English

Notes:

1. Remove and exchange old batteries. Leaking out battery acid can damage your health and the remote control.
2. Clean leaking out battery acid with a cloth
3. In case of skin contact immediately wash the affected area.
4. Please contact a medic after swallowing the battery oder battery acid immediately
5. Seek medical advice if battery acid has been swallowed. In case of contact with your eyes wash out the eyes and seek medical advice.

Buttons

Buttons of the remote control

POWER button
Subtitle button (SUB-T)
Audio button (AUDIO)
MUTE button
EPG button
Teletext (TTX)
GOTO button
REPEAT button (RPT)
VOL+ / VOL- buttons
PAGE+ / PAGE– buttons
MENU button
Exit button
Navigation Cross (UP, DOWN, LEFT, RIGHT)
OK button
Favorite Button (FAV)
TV / Radio button
Numeric Buttons (0 … 9)
RECALL button (⮌)
Information button (INFO)
Fast Rewind button (◀◀)
Fast Forward button (▶▶)
Previous button (⏮)
Next button (⏭)
PLAY button (▶)
PAUSE / TIMESHIFT button (⏸)
STOP button (■)
Record button (●)
RED / PVR Button
GREEN / V-FORMAT button
YELLOW / ASPECT button
BLUE / TIMER button

Note:
The same buttons on the remote control and the front panel have the same functions; either alternative shall work.

Connection

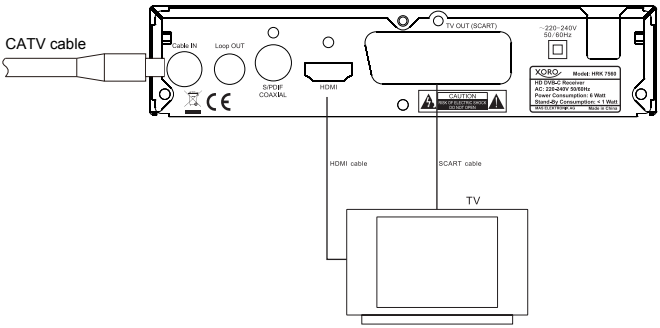
Connecting to an Aerial and TV

General information

- Assure that the device is switched off and unplugged.
- Read the manual of your TV and attend to the safety instructions.
- Please establish an accurate connection.
- Please check the video output settings. If your TV has a SCART input, choose CVBS/RGB in “Menu -> Picture -> Video Output.

English

The schematic picture shows the connection of the HRK 7560 to the cable and the TV



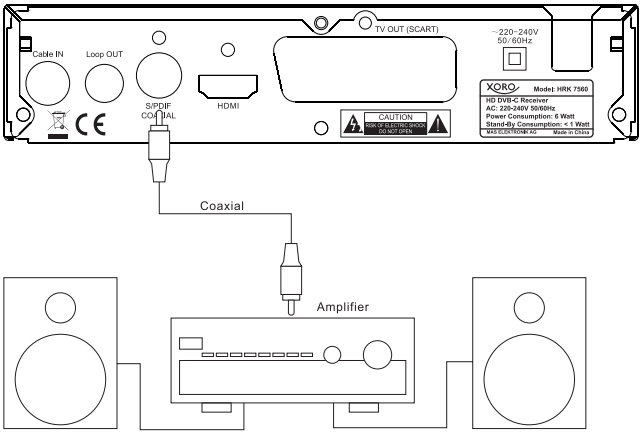
1. Connect a SCART (or HDMI) cable to the DVB-C receiver.
2. Connect the CATV cable to the aerial input (CABLE IN) of the HRK7560.
3. Connect the power cable and the plug to the wall outlet.
4. Switch on your DVB-C receiver and the TV
5. Choose the correct input SCART (or HDMI) at your TV

Note:
By using the loop through connector you can connect for example a second DVB-C Receiver.

Connection

To external decoder or amplifier

You have the possibility to transmit the digital audio signal to a decoder or amplifier. Therefore use the Coaxial output.



1. Switch off and unplug all devices
2. Connect the receiver and the TV with a SCART or HDMI cable
3. Connect the HRK 7560 to the decoder or amplifier (RCA cable)
4. Switch on all devices
5. Activate the Digital Input at your decoder or amplifier

Note:

- The Cables are not part of the accessories
- You can gain information about the audio signal by pressing the **AUDIO** key on your remote control

English

First Time Installation

After all connections have been made properly, switch on TV and make sure the receiver is connected to the Main Power. Press **POWER** button to switch receiver on.

If you are using the receiver for the first time or restored to Factory Default, the Main Menu will appear on your TV screen.

1. OSD Language
2. Country
3. Channel Search

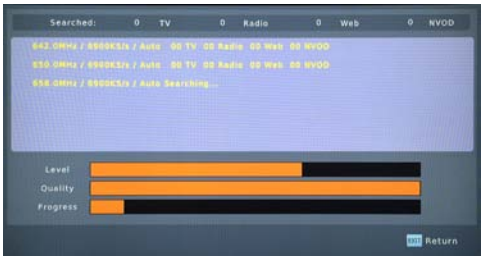
Navigate with the arrow keys **UP** and **DOWN** to each settings and change the options by pressing the **LEFT** and **RIGHT** button. Press the **EXIT** button to leave the setup menu.

OSD Language
Choose a language by using the **LEFT** and **RIGHT** button.

Country
Choose the country by using the **LEFT** and **RIGHT** button.

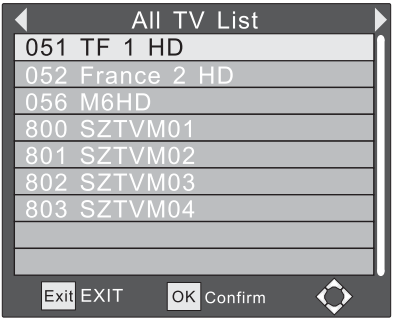
Channel Search
Start the channel search by pressing the **OK** button on the remote control. The device changes the picture and shows the channel search progress.

All found TV or Radio channel will be saved into the TV or Radio list. After finishing the channel search the device changes to the live picture of the first TV channel.



Important keys and functions

Program list
Retrieve the program list by pressing **OK** button.



▲/▼	Next/previous program
PAGE+/PAGE-	Next/previous page
OK	Activating the chosen program
EXIT	Exit the program list

Note:
TV and Radio list are very similar to handle.

Subtitles
Pressing **SUB-T** enables subtitles. If subtitles are available for this program you can enable them with **OK**

Audio settings of TV programs
You can press the **AUDIO** button to access the audio settings. Change language (only certain programs), choose another audio track (if available) or choose between the audio settings (left / right channel, stereo)

Aspect ratio
When viewing live pictures you have the possibility to change the aspect ratio directly via the remote control. For changing aspect ratio press **ASPECT**. The available modes are AUTO, 16:9 Pillar box, 16:9 Pan & Scan, 16:9 Wide screen, 4:3 Letter box, 4:3 Pan & Scan, 4:3 Full.

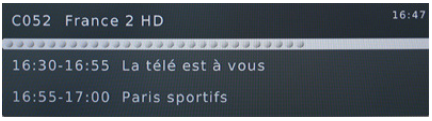
English

Functions

Important keys and functions

Information

Pressing **INFO** shows a lot of information. By pressing the **INFO** button the first time the overview shows up: TV program name, active TV programs, availability of teletext, etc.



Pressing it twice shows the EPG information of the current program. Aside is information about frequency of the TV programs, bandwidth and signal quality.

Teletext

The teletext is activated via the **TTX** button.

Navigation:

- Numeric for entering teletext sites
- ◄/► Next/previous page
- **RED, GREEN, BLUE** and **YELLOW** for the shown sites
- **EXIT** for closing teletext

Volume

Change the volume by pressing the **LEFT◄/RIGHT►** button.

TV and Radio List

To switch from TV to the Radio list, please press the **TV/RADIO** button.

Change Program

To switch program please press the ▲/▼ (Up/Down) button.

Navigation in the Setup Settings

To navigate in settings please use the buttons of the navigation cross (**◄/►/▲/▼**).

Resolution

To change the video output resolution please press the **V-FORMAT** button on the remote control. The sequence changes from the resolution *720p* to *1080i* to *1080p* to *576i* to *576p* and back to *720p*.

Important keys and functions

EPG

The EPG is an on-screen TV guide that shows scheduled programs seven days in advance for every tuned channel. Press the **EPG** button on the Remote Control to access guide.

Program Guide
801 DR Ramasjang
Thu. 24 Mar. 2011 15:24
24 Mar 14:55-15:25 Live fra Ramasja..
24 Mar 15:25-15:50 Dragon Ball Z
24 Mar 15:50-16:10 Lizzie McGuire
24 Mar 16:10-16:15 Nik & Jan
24 Mar 16:15-16:30 Kika og Bob
24 Mar 16:30-16:55 Smølferne
24 Mar 16:55-17:10 Conrad og Bernh..
24 Mar 17:10-17:35 iCarly
24 Mar 17:35-17:55 Braceface
24 Mar 17:55-18:00 Monk
24 Mar 18:00-18:30 Bullerfnis (2:9)
Live fra Ramasjang: RamaChanc en
Children
Danske børn duellere i skøre ko nkurrencer og paratviden fra et børnebibliotek. Live! Og D
Page: 1 / 1
Book
Book list
Page Down
Page Up

You can use the **UP/DOWN** key to select the preferred program.

If there is more than one page of information, use the **BLUE** button for page up and the **YELLOW** button for page down.

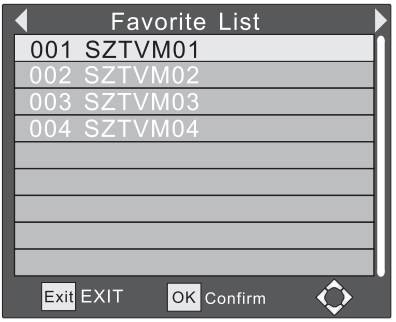
Additional buttons to navigate are:

OK	Apply to timer programming
INFO	Shows timer programming
▲/▼	Next/previous program
◄/►	Change TV program
EXIT	Exit timer programming

Favourite

If you have configured favourites **FAV** shows the list of favourites.

OK	Starting chosen TV program
▲/▼	Next/previous program
◄/►	Next/previous page of favourites
EXIT	Exit favourites list
FAV	Changes favourites list

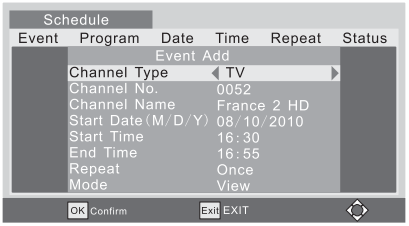


English

Recorder (optional)

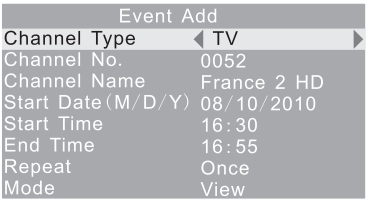
Timer

Select a programme on the EPG menu and press the OK button. This programme will be taken over in the Timer programming.



It is advisable to set the starting and stopping time of recording some minutes before/after the broadcast because they never begin in time. Other options are *Repeat* and *Mode*. *Repeat* defines if the broadcast is recorded once or continuous. *Mode* has to be set to *Record* if you want to record a broadcast.

The programmed broadcast show up in the Timer program list.



Note:
Recordings assume connected USB media!

Recording

If you want to record the current TV programme, please connect a USB storage to the USB port.

After the storage is recognized by the device, press the ● REC button on the remote control.

You can define duration of the recording by pressing the ● REC button repeatedly. The duration will be shown on the screen.

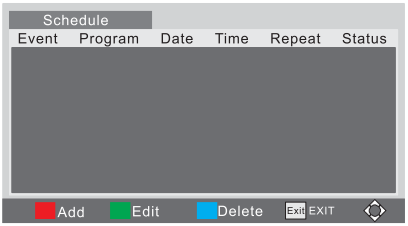
The recording starts immediately. To abort the recording, please press the button ■ and confirm the security query with the **OK** button.

To abort the recording, please press the button ■ and confirm the security query with the **OK** button.

Program a record schedule

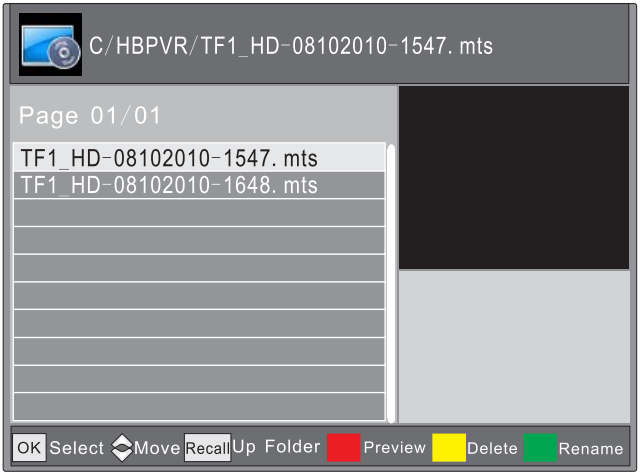
You can also program the record schedule from the Live picture. Please press the BLUE button on the remote control and the Timer programming appears on the screen.

Press the **RED** button to add a schedule and modify the options (see picture above).



Recording list

All recorded broadcast can be access by the **PVR** button on the remote control. The record list appears on the screen.



The navigation are:

OK	Starting chosen recording in preview window
▲/▼	Next/previous recording
RED	Switch full screen/preview
RECALL	Changes layer
YELLOW	Delete recording
GREEN	Rename recording
EXIT	Exit recording list
◀◀	Fast forward
▶▶	Fest rewind
II	Pause, pressing **II** again continues playing
EXIT/STOP	Exit playing, changing back to recording list

Rename recordings

Choose a recording from the list and press **GREEN**. Enter the new name and finish renaming by navigating to *OK* and pressing **OK**

Deleting recordings

Choose a recording from the list and press **YELLOW**. Now the recording is marked with a checkmark and **OK** will finally delete the recording von the USB media.

USB Port

You can connect USB Flash drives via the USB Port.

Supported file formats
Pictures (JPEG), Music (MP3) or video files (MPEG-1, MPEG-2, MPEG-4)

Supported Media
The USB port supports a set of different sizes of flashdrives. Use a USB flashdrive with a minimum of 8GB for recording. Smaller media are maybe too slow for recording.

Note:
Due to CE-policies it is only allowed to connect USB-Sticks (Flashdrives) to the HRK 7560.

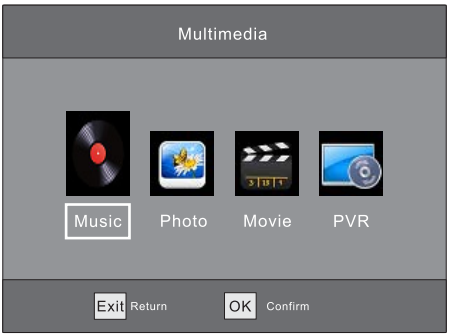
If you want to play music, videos or pictures von USB media connect the USB media, press **MENU** and choose *USB* with ◄/►. Enter the USB menu with **OK**.

Now choose *Multimedia* with ▲/▼ and enter with **OK**.

The media-player starts with the screen on the right. Possible menu items are:

- **Music**
- **Photo**
- **Movie**
- **PVR**

Choose between these items with ◄/► and enter with **OK**.

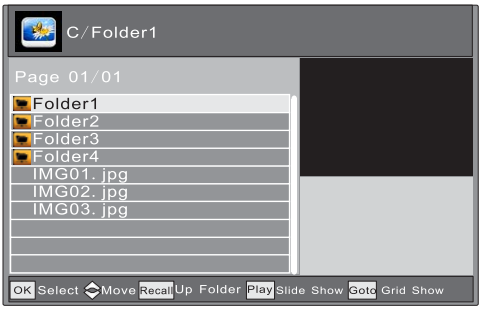


English

Photos

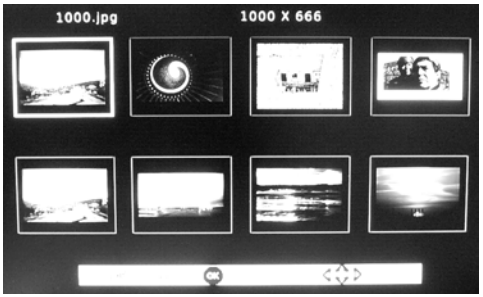
For viewing photos with the HRK 7560 connect the USB media and enter the menu item *Photo*.

After initialising the USB media the directory structure is shown. Choose the directory with ▲/▼ and enter with **OK**.
If there are pictures in this directory they are listed in the file browser and a preview is shown on the right.
It is possible to play music while browsing in the pictures. Choose a music file before you go to the picture browser.



Navitaging in the file browser

OK	Show picture in fullscreen
Play (►)	Start slide show (all pictures in the directory)
GOTO	Show pictures in small previews
▲/▼	Next/Previous picture
RECALL	Previous directory
EXIT	Exit to multimedia menu



Thumbnail View

▲/▼	Next/Previous picture
◄/►	Next/Previous picture
OK	Show picture in fullscreen

Slide show

Start the slide show with PLAY or OK. The slide show will proceed according to the settings in the USB menu.

⏭	Next picture
⏮	Previous picture
RED	Zomm picture (Normal -> x2 -> x4 -> x8 -> Normal -> x1/4 -> x1/2)
GREEN	Rotate picture 90° in counterclockwise direction
YELLOW	Rotate picture 90° in clockwise direction
INFO	Show information of the picture like file name, resolution and file size
RECALL	Exit to file browser
EXIT	Exit to file browser

Playback Music during Picture Slideshow

It is possible to play music while browsing in the pictures. Choose a music file before you go to the picture browser.

Supportet formats

The supported picture formats are **JPEG, BMP and PNG**.

Multimedia Player

Music

For listening music with the HRK 7560 connect the USB media and enter the menu item *Music*.

After initialising the USB media the directory structure is shown. Choose the directory with ▲/▼ and enter with **OK**.
If there are music files in this directory they are listed in the file browser. ID Tags are also shown.

OK / PLAY	Play
STOP	Stop
⏭	Next track
⏮	Previous track
|| / PAUSE	Pause
REPEAT	Repeating modes (Single track, directory, random directory)
EXIT	Exit to multimedia menu
◄/►	Increase / Decrease volume

Fast Forward
If you press while playing music the **BLUE** button, then you start the fast forward. Each press the **BLUE** button increases the speed. Switch to normal speed with ▶▶ or ◀◀ The zooms change as follows:

x1 —> x2 —> x3 —> x4 —> x8 —> x16 —> x32 —> x1

Supported formats

Formats:	MP3, AAC
Sampling frequencies:	8-48kHz (MP3)
Bitrate:	8 - 320 kbps (MP3)

Movies

For playing movies with the HRK 7560 connect the USB media and enter the menu item *Movies*.
Please pay attention to following rules:

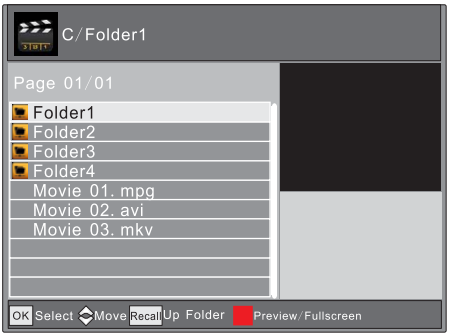
1. The resolution of the movies should be not exceeding 1920 x 1080
2. The file name should not be exceeding 15 letters
3. Supported containers: AVI, DIVX, MKV, MP4, MPG, VOB, MOV.
4. Supported codex: Should be created with established standards. MPEG-2: ISO/IEC13818, MPEG-4 ISO/IEC 14496
5. Supported transport streams: MPG, TS, TRP
6. Supported subtitles: Subrip (SRT), Micro-DVD (SUB), Sami (SMI). Internal subtitles are not supported
7. Supported audio formats are:
   - MPEG-4 files: AC3, MP3, AAC (LC or HE)
   - MPEG-2: MP2/MPA, AC3

Notes:
The variety of different video codes, audio codes, video container and PC programs, it is possible that some video files are not supported. Although each part considered individually (e.g., H.264, AC3, MP4) which can lead to a combination of non-playable files.

Movies

After initialising the USB media the directory structure is shown. Choose the directory with ▲/▼ and enter with **OK**.

If there are movie files in this directory they are listed in the file browser.



Navigating in the file browser

▲/▼	Next/Previous file
OK	Play / Open directory
RECALL	Previous directory
RED	Preview / Full screen
EXIT	Exit to multimedia menu

Navigating while playing

If you press **OK** the movie is shown in the preview window on the right. Switch to full screen with **RED**. Press **PLAY** for playing directly in full screen .

OK	Play in preview window
PLAY	Play in full screen
RED	Switch preview / full screen
INFO	Show information like play time (current and over all) file name etc
LANG	Switch audio track
SUB-T	Switch (off) Subtitles
MENU	Exit to file browser (the movie continues in preview window)
RECALL	Exit to file browser (the movie continues in preview window)
GOTO	Jump to a certain (self defined) time
▶▶/◀◀	Fast forward/backward
▶▶I	Previous movie
I◀◀	Next movie
‖	Pause
STOP	Stop
REPEAT	Repeating modes (Single track, directory, random directory)

Fast forward/backward

It is possible to speed up and down the playback with ▶▶ or ◀◀. The velocities change as follows

x1 —> x2 —> x4 —> x8 —> x16 —> x32 —> x1

GOTO function

Press **GOTO** to type a time of the movie and **OK** to jump to this time.

English

Settings

Press **MENU** for the main menu. The submenu are:

- Program with Program Edit, EPG, Sort and LCN
- Picture with Aspect Ratio, Resolution, TV Format and Video Output
- Channel Search with Auto/Manual Search, Country and Antenna Power
- Time with Time Offset, Country Region and Time Zone and Sleep
- Option with OSD-, Subtitle-, Audio Language and Digital Audio
- System with Parental Guidance, Password, Default Setting and Information
- USB with Multimedia, Movie Settings and PVR Settings

If you are inside of one of the menus, so you can return with the **EXIT** button always in the parent menu until you are finally back in the live image.

Program
The submenus are Program Edit, EPG, Sort and LCN.

Program Edit
You have the possibility to sort / edit the channels as you wish. You need a password for access (8 8 8 8 8 8).

Following tools are available in *Program Edit:*

- Move
- Skip
- Lock
- Delete
- Favourites
- Rename

When you exit the program edit, then the changes are saved.

Program

Move Channels
If you wish to move a channel press **RED**. Now choose the channel you want to move with ▲/▼ and press **RED**. The chosen channel is marked with a arrow symbol. Move the channel to the new position with ▲/▼ and press **OK**. The channel is dropped on this position.

Skip Channels
If you wish skip a channel press **GREEN**. Now choose the channel you want to skip with ▲/▼ and press **GREEN**. The chosen channel is highlighted now with "*SKIP*".

Notes:

- This channel can not be chosen with ▲/▼
- You can only choose it by typing its channel number

Lock channels
If you wish to lock a channel press **YELLOW**. Now choose channel you want to move with ▲/▼ and press **YELLOW**. The chosen channel is marked with a lock symbol now.
If you want to watch to a locked channel you have to type the password after choosing the channel (0 0 0 0 0 0).

Delete Channels
If you wish to delete a channel press **BLUE**. Now choose the channel you want to delete with ▲/▼ and press **BLUE**. A security query appears if you really want to delete the channel or not. To confirm press **OK**, to decline press **EXIT**. After confirming the channel is deleted instantly.

Favourites
If you wish to define a channel as favourite press **FAVOURITE**. Now choose the channel you want to add to favourites with ▲/▼ and press **FAVOURITE** and choose a category (Video, News, Sport, Music). Press OK to add the channel to the chosen category. The channel is now highlighted with a heart symbol.

Rename Channels
If you wish to rename a channel press **RECALL**. Now choose channel you want to rename with ▲/▼ and press **RECALL** . Now type in the new name and navigate to the **OK** field and confirm with **OK**

Sort Channels
This option sorts the channels according to the specifications (Service name, Service ID, LCN, ONID).

LCN
With this option you can display the logical channel numbers. Using the ◄ / ► button to activate the option on or off.

English

Picture

Following settings are available in *Picture:*

- Aspect Ratio
- Resolution
- TV Format
- Video Output

Aspect Ratio

With this menu you set the type of your TV. Please mind your aspect ratio of your TV.

- Auto
- 16:9 Pillar box
- 16:9 Pan & Scan
- 4:3 Letter box
- 4:3 Pan & Scan
- 4:3 Full
- 16:9 Wide screen

Note:
Usually AUTO affords the optimal effect.

Resolution

Define the HDMI output resolution

- 576i (PAL) / 480i (NTSC)
- 576p (PAL) / 480p (NTSC)
- 720p
- 1080i / 1080p

Note:
Please use the resolution of your TV e.g.: 720p for HD-Ready TVs or 1080i for Full-HD TVs.

TV Format

Choose between PAL, NTSC.

Video Output

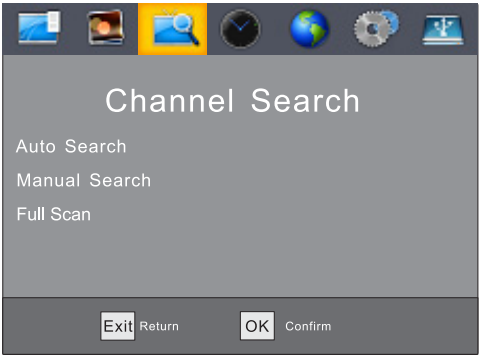
Choose the type of SCART output. You can choose between RGB and FBAS (CVBS). If your TV supports RGB you should choose RGB because it affords a better video quality than FBAS.

English

Channel Search

The setting Channel Search includes the options:

- Auto Search
- Manual Search
- Full Scan



Auto Search
Enabling this option will start the automatic search of itself, the language and country parameters are taken from the default settings. Please read from page 14 in this manual.

Manual Search
If one or more TV channels could not be found, you have the possibility of staring a manual scan.

Input the Frequency channel with the buttons ◄/► on dialogue window of the manual search.

The quality scalar bar shows signal quality of the chosen channel.

Press the **OK** button to start the manual search. A searching window will be opened displaying the searching results.

Full Scan
Full scan is similar with auto scan, but start and end frequency can be specified.

English

Time

Following settings are available in *Time:*

- Time Offset
- Country Region
- Time Zone
- Auto Standby

Time Offset
If you enable this function the time is extracted from the digital data constantly.

Time Zone
Define the time zone you are in.

Country Region
This parameter can be changed only if there is one country in different time zones. If you have chosen Germany here, it will always have the attitude displayed here in Berlin. This can not be changed.

Auto Standby
The unit will goto standby mode in desired time after the last user interaction.

Options

Following settings are available in *Option:*

- OSD Language
- Subtitle Language
- Audio Language
- Digital Audio

OSD / Subtitle / Audio Language
Define the OSD / Audio / Subtitle language.

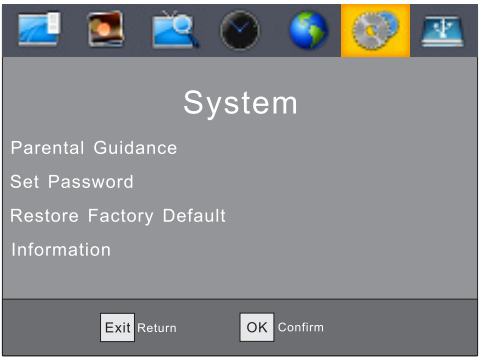
Digital Audio
Here you can switch on/off the digital audio output and choose the type of digital audio.

Off:	Deactivate digital audio
PCM:	Digital audio output (PCM format)
RAW:	All types digital audio

System

Following settings are available in *System:*

- Parental Guidance
- Set Password
- Restore Factory Default
- Information



Parental Guidance
You can selecte the suitability of a program for children or adults.

Set Password
Change your password. At first you have to confirm the old password
(standard 8 8 8 8 8 8). After confirming the old password type in the new password and repeat it. If all data was correct the new password is active.

Restore Factory Default
Restore factory defaults by all settings. All changes in the settings will be lost.

Information
Shows information about soft– and hardware.

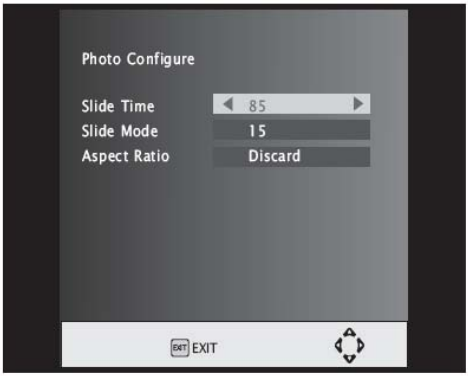
USB

Following settings are available in *USB:*

- Multimedia
- Photo Configure
- Movie Configure
- PVR Configure

Multimedia
Opens the multimedia Player (Page 20)

Photo Configure



Slide Time
Define the duration for every picture in the slide mode (1-8sek)

Aspect Ratio
Choose wether the aspect ratio of your pictures should be original or changed to fullscreen (DISCARD). DISCARD can cause deformations of the pictures.

Notes:
We recommend following settings:
Slide Time: 8second

Aspect Ratio: Keep

Movie Configure

These settings are only for external Subtitles.

Subtitle Specific
Define the size of subtitles

Subtitle BG
Choose between transparent and coloured background

Subtitle Letters
Define the colour of the subtitle letters

Please be sure that movie and subtitle are named equal e.g.: Movie.avi, Movie.srt
It is also possible to use 2 languages: Movie.avi, Movie.ger.srt, Movie.eng.srt

PVR Configure

Information about USB media is shown here. You can also format you USB media.

Recorde Device
On the sub menu Record Device you can define the Time shift size. Information on the Media type, Disk Total Spare and Disk free space are displayed here.

Format
On the sub menu Format you can format your storage.

Important Note:
Due to CE-policies it is only allowed to connect USB-Sticks (Flash drives) to the HRK 7560

Troubleshooting

Check the following guide for the possible cause of a problem before contacting service.
Technical Support of Xoro/MAS:

- Tel.: +49 41 61 800 24 24
- Fax: +49 41 61 800 24 61
- Internet: www.xoro.de/support

English

Symptom	Correction
No DVB-C reception / serious distortion by mosaics or artefacts/ freeze pictures	• No DVB-C reception in your region. • Realign the antenna. Please pay attention to the direction of the antenna. • Retry the Auto Scan.
No power	• Plug the power cord into the outlet tightly and turn on the power.
Can not scan programs	• Refer settings for searching
No picture / no coloured pictures	• Control the connection to the TV set. • Control the video output mode in the setup. • TV channel or program is scrambled
Remote control does not work	• Change the batteries. • Operate within normal range (max. 5 meters, 30 °) • The sensor is pointed to by bright light.
No sound	• Cancel Mute. Press **MUTE** button • Increase volume. Press **VOL+** button • Pay attention to connection to TV set or amplifier.
Audio / Subtitle without function or can no choose	• Change audio track (press **LANG** button) • Change subtitle track (press **SUB-T** button) • Other audio track is not supported • Subtitles are not supported by broadcaster
No Recording	• No USB is connected. • No free space on the storage.
Recording has jerkings or other mal functions	• The connected storage is too slow. Please use only USB-Sticks with 8 GB or higher. • Please control the reception quality of the antenna and align them for getting better quality.

Specification

DVB-C Tuner

Impedance:	75 Ohm
Antenna:	IN/OUT IEC 61092-2

Demodulation Mode

Waveform:	COFDM（Code Orthogonal Frequency Division Multiplexing）
Demodulation:	QAM16, QAM32, QAM64, QAM128, QAM256

Video, Audio Decoding

Video Standard:	ISO/IEC13818-2 MPEG2 (MP@ML) und (MP@HL) MPEG-4 (H.264) High Profile Level 4
Video Resolution:	480i, 480p, 576i, 576p, 720p, 1080i, 1080p
Aspect Ratio:	4:3 PS & LB, 16:9
Teletext:	Support DVB-ETS300472
Audio Standard:	ISO/IEC 11172 Layer I & II, MP3
Audio Sample rate:	32, 44.1, 48 KHz

Power

Input:	AC 220—240 Volt, 50/60 Hz
Consumption:	< 6 Watt (without in waiting for recording)
Consumption in Stand-By:	< 1 Watt

Ambient condition

Temperature:	0—40° Celsius
Humidity:	90%

Connector

USB Port:	USB 2.0 High Speed
Video:	HDMI, SCART
Audio:	Coaxial Cinch

Device

Weight:	400g (include remote control)
Dimensions:	168 x 118 x 4 0 mm

Note:
Weight and dimensions are not absolutely exact values. Specifications are subject to change

English

Limited Warranty

In case the products delivered are not free from defects in material or workmanship, MAS Elektronik AG has the right to either repair or replace the defective product at its choice. MAS Elektronik AG manufactures and repairs goods using components which are new or equivalent to new in accordance with industry standards and practice. The warranty for wearing parts (e.g. rechargeable batteries) is limited to 6 months.

In case the device is equipped with internal data storage (e.g. hard disc drive, Flash drive), the customer is responsible to backup his data before sending the device. MAS Elektronik AG is not liable for any data loss on returned devices. MAS Elektronik AG reserves the right to reset returned devices to factory defaults. Please note your personal settings for this reason.

MAS Elektronik AG is not liable for any accessories not belonging to original package content such as DVDs, hard disc drives, Flash storage devices, batteries, etc.

This limited warranty covers the warranty requirements set by authorities in your country.

This limited warranty only is valid in the country the product was purchased. This limited warranty does not cover finishes, accessories or batteries, nor does it cover damage resulting from accident, misuse, abuse, dirt, water, battery leakage, tampering, servicing performed or attempted by unauthorized service agencies. This limited warranty does not cover damages resulting from firmware upgrades. Only in case of firmware upgrades needed to add functions promised at time of purchase, such damages are covered by this limited warranty. For a correct and frictionless completion of warranty or repairs you need a RMA No. You may obtain a RMA on the internet at www.mas.de/FAQ or by telephone.
Please send the device in its original packing material, all standard accessories and a copy of the invoice, a description of defect and the RMA No. to following address. Please note the RMA number clear and in large numbers on the outer package.

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